

ABSTRACT OF THE DISCLOSURE

A method and system of imaging an object. First, movement information of the object is determined by using a navigation sensor array and a navigation engine. Based on the movement information, an imaging sensor strobe signal is selectively asserted to control an imaging sensor array. In response to an asserted imaging sensor strobe signal, the imaging sensor array captures sub-images of the object. The imaging sensor array has a plurality of pixels for imaging a portion of the object at one time. The plurality of sub-images are captured successively by the imaging sensor array as the object moves with respect to the imaging sensor array. Then, a composite image of the object is generated based on the captured sub-images.

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